

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:

TOMICH, John M. et al.

Serial No. : 09/710,419

Filed: November 9, 2000

M2GLYR DERIVED CHANNEL  
FORMING PEPTIDES

Docket No. 30917

Group Art Unit No. 1646

Examiner: Joseph F. Murphy

10/c  
M.G.J.  
12/19/02Assistant Commissioner of Patents  
Washington, D.C. 20231

Sir:

SUPPLEMENTAL AMENDMENT AND RESPONSE

In response to the office action dated June 17, 2002, reconsideration of the above application is requested.

Claims:

Please cancel claim 41.

Please add the following new claim:

R128 <sup>40</sup>/<sub>42</sub> A method of altering the flux of water across an epithelial cell presenting first and second spaced apart surfaces, said method comprising the steps of:

- a. providing a peptide capable of forming a channel assembly for transport of anions through said epithelial cell, said peptide having the sequence of SEQ ID NO. 18; and
- b. contacting said peptide with said first surface of said epithelial cell, and causing said peptide to alter the flux of water across said cell surface.

add D1

LAW OFFICES  
**Hovey Williams LLP**  
A LIMITED LIABILITY PARTNERSHIP  
OF PROFESSIONAL CORPORATIONS

ESTABLISHED 1929

INTELLECTUAL PROPERTY LAW  
U.S. & FOREIGN PATENTS,  
TRADEMARKS, COPYRIGHTS  
& UNFAIR COMPETITION CAUSES

2405 GRAND BOULEVARD  
SUITE 400  
KANSAS CITY, MO. 64108-2519

TELEPHONE 816-474-9050  
FACSIMILE 816-474-8057  
www.hoveywilliams.com

ROBERT D. HOVEY, P. C.\*  
WARREN N. WILLIAMS, P. C.  
STEPHEN D. TINMONS, P. C.  
JOHN M. COLLINS, P. C.  
THOMAS H. VAN HOOZER, P. C.\*  
THOMAS B. LUEDDERING, P. C.  
ANDREW G. COLOMBO, P. C.  
SCOTT R. BROWN, P. C.\*\*

\*ADMITTED IN MISSOURI AND KANSAS  
\*\*ADMITTED IN MISSOURI AND CALIFORNIA  
\*\*\*ADMITTED IN MISSOURI, KANSAS AND OKLAHOMA  
\*\*\*\*ADMITTED IN MARYLAND ONLY

JILL D. SINGER  
TRACY L. BORNMAN  
TRACEY S. TRUITT  
DAVID V. AYRES\*  
GERHARD P. SHIPLEY  
KAMERON D. KELLY\*\*  
GREGORY J. SKOCH\*  
LESLIE L. LAWSON  
SHRADDHA UPADHYAYA\*\*\*\*

DAVID TERRELL, PATENT AGENT

**FAX RECEIVED**

DEC 04 2002

**GROUP 1600**

Date: December 3, 2002

Total Number of Pages Including Cover Page: 3 Pages

To: Assistant Commissioner for Patents

ATTN: Patent Examiner  
Joseph F. Murphy, Ph.D.

RE: Application for U.S. Letters Patent  
Serial No.: 09/710,419  
Filed: November 9, 2000  
Inventor: TOMICH, John M. et al.  
Title: M2GLYR DERIVED CHANNEL FORMING PEPTIDES  
Docket No. 30917

Telecopy Number: 703/305-3014

CERTIFICATE OF TELEFACSIMILE TRANSMISSION

I hereby certify that this Amendment is being transmitted via telefacsimile to the United States Patent and Trademark Office, Fax Number 703/305-3014 on the date shown below.

Linda Aylward  
Linda Aylward

12/3/02  
Date

PLEASE CALL THE ABOVE NOTED NUMBER IF YOU DO NOT RECEIVE ALL PAGES.